Virtual Exchange Program

A System View of Communications: from Signals to Packets (ELEC1200)

**Start date:** 07/09/2020, **End date:** 05/12/2020
**Platform:** edX

Hong Kong University of Science and Technology

**COURSE SYNOPSIS**

**Domain:** Engineering

**Title(s) of the course(s) as it appears on the platform:** A System View of Communications: from Signals to Packets Parts 1-3

**Language (ISO-639-1 code):** en

**Short description of the course:** This course gives students an understanding of the basic engineering tools used and the fundamental tradeoffs encountered in the design of modern communications systems.

**Instructor(s):** Professor Bert Shi, Professor S H Song

**Level:** BA1

**ECTS:** 4.0

**Workload in student hours:** 163

**Semester:** 1: jan-june

**Full course description:** Have you ever wondered what technologies go into your mobile phone or a WiFi hotspot? Through hands on work with a communication system, you will understand the basic engineering tools used and tradeoffs encountered in the design of these systems. The course covers communication over a point-to-point link, over a shared link, and over a network.

**Prerequisites:** Basic knowledge of programming, single variable calculus

**Link to course on platform:** [https://courses.edx.org/courses/course-v1:HKUSTx+ELEC1200.1x+1T2018/course/](https://courses.edx.org/courses/course-v1:HKUSTx+ELEC1200.1x+1T2018/course/), [https://courses.edx.org/courses/course-v1:HKUSTx+ELEC1200.2x+1T2018/course/](https://courses.edx.org/courses/course-v1:HKUSTx+ELEC1200.2x+1T2018/course/)

**Link to course in University studyplan:**

**Course registration opening date:** 30/07/2020

**Course registration deadline:** 03/08/2020

**Course withdraw date:** 15/02/2020

**Midterm:** Yes

**Midterm details:** 50 minutes - 23-27 Mar 2020

**Exam period start:** 10/12/2020

**Exam period end:** 22/12/2020
Exam date: -

Exam timing: Asynchronous (exam can take place at different dates and times)

Exam start time: -

Exam end time: -

Time zone (at the time of the exam, DST): UTC+8

Exam registration date: -

Exam resit available: No

Exam resit period start: -

Exam resit period end: -

Exam resit date: -

Exam resit time start: -

Exam resit time end: -

Time zone (at the time of the resit of the exam, DST): UTC+8

Final exam type: Written

Final exam details: 2 hours, Closed books and closed notes NO paper or calculator is allowed NO electronic device with communication capability is allowed

Exam requirements for home university (computer, VOIP, recording materials): 2 hours, Closed books and closed notes NO paper or calculator is allowed NO electronic device with communication capability is allowed

Cap (maximum number of exchange students): 50

Offered to which partners: -, All partners of the Alliance(s) selected above

Link to course image: https://drive.google.com/open?id=1XqtetPS3HN5lHLbe6ucnTyTTgoIWiF49